

Refine Search

Search Results -

Terms	Documents
L13 and ((AB)nX)	12

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
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 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L14

Refine Search

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Search History

DATE: Wednesday, September 15, 2004 [Printable Copy](#) [Create Case](#)

Set Name	Query	Hit Count	Set Name result set
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L14</u>	L13 and ((AB)nX)	12	<u>L14</u>
<u>L13</u>	L12 and (anionic adj polymerization)	21	<u>L13</u>
<u>L12</u>	L6 and ((living adj polymer) or (living adj polymerization) or living)	47	<u>L12</u>
<u>L11</u>	L10 and ((living adj polymer) or living)	10	<u>L11</u>
<u>L10</u>	L9 and (anionic adj polymerization)	21	<u>L10</u>
<u>L9</u>	L7 and ((dienic adj block) or (diene adj block) or (polybutadiene adj block))	34	<u>L9</u>
<u>L8</u>	L7 and ((diemic adj block) or (diene adj block) or (polybutadiene adj block))	33	<u>L8</u>
<u>L7</u>	L6 and ((styrene adj block) or (polystyrene adj block))	51	<u>L7</u>
<u>L6</u>	L5 and ((dicarboxylic adj acid adj diester) or (dimethyl adj adipate) or (diethyl adj adipate) or (dimethyl adj maleate) or (diethyl adj maleate) or (di-n-butyl adj maleate) or (dioctyl adj maleate))	99	<u>L6</u>
<u>L5</u>	L2 and (coupling adj agent)	1398	<u>L5</u>
<u>L4</u>	L1 and (diester adj coupling adj agent)	3	<u>L4</u>

L3 L2 and (diester adj coupling adj agent)
L2 L1 and radial
L1 block adj copolymer

2 L3
5181 L2
83534 L1

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 12 of 12 returned.

☐ 1. Document ID: US 20040054090 A1

Using default format because multiple data bases are involved.

L14: Entry 1 of 12

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040054090

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040054090 A1

TITLE: Coupled styrenic block copolymers and process for preparing same

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bening, Robert	Katy	TX	US	
Atwood, Harvey	Kingwood	TX	US	
Dijk, Marinus Pieter van	Amsterdam	TX	NL	
Ros, Adriana Maria Petronella	Amsterdam	TX	NL	
Moore, Barry	Cypress		US	
Willis, Carl	Houston		US	
Dijk, Nikolaas Jan van	Amsterdam		NL	

US-CL-CURRENT: 525/314; 525/338

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. Data
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☐ 2. Document ID: US 20030176582 A1

L14: Entry 2 of 12

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030176582

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030176582 A1

TITLE: Novel block copolymers and method for making same

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bening, Robert C.	Katy	TX	US	

Handlin, Dale L. JR.	Houston	TX	US
Sterna, Larry L.	Houston	TX	US
Willis, Carl L.	Houston	TX	US

US-CL-CURRENT: 525/242

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw. De
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☐ 3. Document ID: US 20030149140 A1

L14: Entry 3 of 12

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030149140
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030149140 A1

TITLE: Polymer modified bitumen compositions

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Stephens, Keith E.	Houston	TX	US	
Kluttz, Robert Q.	Houston	TX	US	
Handlin, Dale L. JR.	Houston	TX	US	
Willis, Carl L.	Houston	TX	US	

US-CL-CURRENT: 524/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw. De
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☐ 4. Document ID: US 6759454 B2

L14: Entry 4 of 12

File: USPT

Jul 6, 2004

US-PAT-NO: 6759454
DOCUMENT-IDENTIFIER: US 6759454 B2

TITLE: Polymer modified bitumen compositions

DATE-ISSUED: July 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stephens, Keith E.	Houston	TX		
Kluttz, Robert Q.	Houston	TX		
Handlin, Jr.; Dale L.	Houston	TX		
Willis, Carl L.	Houston	TX		

US-CL-CURRENT: 524/68; 524/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 5. Document ID: US 6100339 A

L14: Entry 5 of 12

File: USPT

Aug 8, 2000

US-PAT-NO: 6100339

DOCUMENT-IDENTIFIER: US 6100339 A

TITLE: Curable resin and resin composition comprising the same

DATE-ISSUED: August 8, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Watanabe; Tomonari	Yamato			JP
Natori; Itaru	Yokohama			JP

US-CL-CURRENT: 525/216; 524/554, 525/102, 525/105, 525/106, 525/123, 525/297,
525/310, 525/314, 525/332.1, 525/332.8, 525/332.9, 525/338, 525/342, 525/350,
525/353, 525/375, 525/376, 525/379, 525/385, 525/386, 525/98

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 6. Document ID: US 5883192 A

L14: Entry 6 of 12

File: USPT

Mar 16, 1999

US-PAT-NO: 5883192

DOCUMENT-IDENTIFIER: US 5883192 A

TITLE: Resin composition

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Natori; Itaru	Yokohama			JP
Imaizumi; Kimio	Kiyose			JP
Kato; Kiyoo	Kawasaki			JP

US-CL-CURRENT: 525/98; 525/211, 525/216, 525/96, 525/99

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 7. Document ID: US 5830965 A

L14: Entry 7 of 12

File: USPT

Nov 3, 1998

US-PAT-NO: 5830965

DOCUMENT-IDENTIFIER: US 5830965 A

TITLE: Polymer containing a modified cyclic monomer unit

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Imaizumi; Kimio	Kiyose			JP
Natori; Itaru	Yokohama			JP
Yamagishi; Hideyuki	Tokyo			JP
Kato; Kiyoo	Kawasaki			JP

US-CL-CURRENT: 526/309; 525/356, 526/180, 526/308, 526/337, 526/340, 526/347,
526/347.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Examination	Administrative	Claims	KWC	Draw. Data
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☐ 8. Document ID: US 5756580 A

L14: Entry 8 of 12

File: USPT

May 26, 1998

US-PAT-NO: 5756580

DOCUMENT-IDENTIFIER: US 5756580 A

TITLE: Polymeric composite material

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Natori; Itaru	Yokohama			JP
Imaizumi; Kimio	Kiyose			JP
Kaji; Satoru	Kurashiki			JP

US-CL-CURRENT: 525/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Examination	Administrative	Claims	KWC	Draw. Data
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☐ 9. Document ID: US 5420203 A

L14: Entry 9 of 12

File: USPT

May 30, 1995

US-PAT-NO: 5420203

DOCUMENT-IDENTIFIER: US 5420203 A

TITLE: Process for producing high diblock content block copolymer compositions

DATE-ISSUED: May 30, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dillman; Steven H.	Bellingham	WA		
St. Clair; David J.	Houston	TX		
Berggren; Mark A.	Houston	TX		
Modic; Michael J.	Houston	TX		

US-CL-CURRENT: 525/98; 525/314

Full	Title	Citation	Front	Review	Classification	Date	Reference	Summary	Attachments	Claims	KWIC	Draw. De
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☐ 10. Document ID: US 5346964 A

L14: Entry 10 of 12

File: USPT

Sep 13, 1994

US-PAT-NO: 5346964

DOCUMENT-IDENTIFIER: US 5346964 A

TITLE: (Modified) hydrogenated diene block copolymer and composition comprising the same

DATE-ISSUED: September 13, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shibata; Tooru	Yokkaichi			JP
Teramoto; Toshio	Yokkaichi			JP
Hashiguchi; Yoshiharu	Yokkaichi			JP
Goshima; Kunio	Yokkaichi			JP

US-CL-CURRENT: 525/314; 525/279, 525/282, 525/285, 525/286, 525/293, 525/301, 525/303, 525/312

Full	Title	Citation	Front	Review	Classification	Date	Reference	Summary	Attachments	Claims	KWIC	Draw. De
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☐ 11. Document ID: US 5306779 A

L14: Entry 11 of 12

File: USPT

Apr 26, 1994

US-PAT-NO: 5306779

DOCUMENT-IDENTIFIER: US 5306779 A

TITLE: Hydrogenated diene block copolymer and composition comprising the same

DATE-ISSUED: April 26, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Shibata; Tooru	Yokkaichi	JP
Teramoto; Toshio	Yokkaichi	JP
Hashiguchi; Yoshiharu	Yokkaichi	JP
Goshima; Kunio	Yokkaichi	JP

US-CL-CURRENT: 525/314; 525/105, 525/279, 525/282, 525/285, 525/286, 525/293,
525/301, 525/303, 525/312, 525/940, 525/98

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Abstracts	Claims	KWIC	Drawings
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☐ 12. Document ID: US 5191024 A

L14: Entry 12 of 12

File: USPT

Mar 2, 1993

US-PAT-NO: 5191024

DOCUMENT-IDENTIFIER: US 5191024 A

TITLE: Hydrogenated diene block copolymer and composition comprising the same

DATE-ISSUED: March 2, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shibata; Tooru	Yokkaichi			JP
Teramoto; Toshio	Yokkaichi			JP
Hashiguchi; Yoshiharu	Yokkaichi			JP
Goshima; Kunio	Yokkaichi			JP

US-CL-CURRENT: 525/314; 525/100, 525/191, 525/223, 525/238, 525/240, 525/241,
525/279, 525/285, 525/286, 525/301, 525/303, 525/310, 525/312, 525/940, 525/98

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Abstracts	Claims	KWIC	Drawings
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Terms	Documents
L13 and ((AB)nX)	12

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Search Results -

Terms	Documents
L1 and (diester adj coupling adj agent)	3

Database:

US Pre-Grant Publication Full-Text Database
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Search:

L4



Refine Search

Recall Text



Clear

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Search History

DATE: Wednesday, September 15, 2004 [Printable Copy](#) [Create Case](#)

Set Name **Query**

side by side

Hit Count**Set Name**

result set

DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L4</u>	L1 and (diester adj coupling adj agent)	3	<u>L4</u>
<u>L3</u>	L2 and (diester adj coupling adj agent)	2	<u>L3</u>
<u>L2</u>	L1 and radial	5181	<u>L2</u>
<u>L1</u>	block adj copolymer	83534	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20040054090 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 3

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040054090

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040054090 A1

TITLE: Coupled styrenic block copolymers and process for preparing same

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bening, Robert	Katy	TX	US	
Atwood, Harvey	Kingwood	TX	US	
Dijk, Marinus Pieter van	Amsterdam	TX	NL	
Ros, Adriana Maria Petronella	Amsterdam	TX	NL	
Moore, Barry	Cypress		US	
Willis, Carl	Houston		US	
Dijk, Nikolaas Jan van	Amsterdam		NL	

US-CL-CURRENT: 525/314; 525/338

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 4812527 A

L4: Entry 2 of 3

File: USPT

Mar 14, 1989

US-PAT-NO: 4812527

DOCUMENT-IDENTIFIER: US 4812527 A

**** See image for Certificate of Correction ****

TITLE: Rubber composition for tire treads containing dicarboxylic acid diester coupled block polymers

DATE-ISSUED: March 14, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Takao; Hiroyoshi	Chiba	JP
Yoshida; Nabuyuki	Ichihara	JP
Imai; Akio	Ichihara	JP
Tsuji; Mitsuji	Ichihara	JP
Saito; Yuichi	Kobe	JP

US-CL-CURRENT: 525/250; 152/905, 525/262, 525/314, 525/99

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 3. Document ID: AU 2003249169 A1, WO 2004007581 A1, US 20040054090 A1

L4: Entry 3 of 3

File: DWPI

Feb 2, 2004

DERWENT-ACC-NO: 2004-132811

DERWENT-WEEK: 200450

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TITLE: Radial styrenic block copolymer or hydrogenated derivative of copolymer used as bitumen modifier, has styrenic block, dienic block and residue of diester coupling agent

INVENTOR: ATWOOD, H E; BENING, R ; MOORE, B ; ROS, A M P ; VAN DIJK, M P ; VAN DIJK, N J ; WILLIS, C ; ATWOOD, H ; DIJK, M P V ; DIJK, N J V

PRIORITY-DATA: 2002US-395139P (July 11, 2002), 2003US-0618394 (July 11, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 2003249169 A1	February 2, 2004		000	C08F297/04
WO 2004007581 A1	January 22, 2004	E	019	C08F297/04
US 20040054090 A1	March 18, 2004		000	C08G081/00

INT-CL (IPC): C08 F 297/04; C08 G 81/00; C08 L 95/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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L1 and (diester adj coupling adj agent)

3

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